

ABSTRACT

A differential apparatus having a limited slip differential mechanism
5 which comprises a differential case, a pair of side gears housed in the
differential case and connected to driving shafts, and pinion gears meshing
with the pair of side gears. One of the tooth surfaces of each tooth of the side
gears and the pinion gears has a large pressure angle and the other surface
has a small pressure angle, such that meshing reaction forces D_r in a drive
10 mode is larger than that of C_o in a coast mode to obtain different limiting
forces.